

**NATIONAL ASSEMBLY
FOR WRITTEN REPLY**

QUESTION NO 1036

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(INTERNAL QUESTION PAPER NO 19)

Mr G R Morgan (DA) to ask the Minister of Water Affairs and Forestry:

- (1) (a) For each river for which an ecological reserve has been determined, what is the (i) name of the river, (ii) actual ecological reserve and (iii) date on which the reserve was determined and (b) for each river for which no ecological reserves have been determined, what is the reason why no ecological reserve was determined;
- (2) Whether the ecological Reserve of each of the rivers is respected when granting water extracting licences; if not, why not; if so, what are the relevant details? NW1770E

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REPLY:

- (1) (a) Yes, see Appendix A.
- (b) Ecological Reserve determinations not being determined for particular water resource or catchment area usually occurs as a result of the following:
1. Ad hoc water use licence applications have not being received by the Department that have a potential impact on that particular water resource or catchment area;
 2. Reserve determinations are normally prioritized according to my Department's roll-out plan dealing with our compulsory licensing process (as part of our water allocation reform program), accordingly, certain areas might not be earmarked for roll-out within a particular financial year as we anticipate the roll-out of this program (i.e. water allocation reform) in a phased manner;
 3. Those particular areas or water resources where ecological Reserves have not been conducted might not be under stress (i.e. water demand exceeding water availability), as the Reserve determination process also focuses on critical areas (i.e. areas that require immediate interventions both in terms of water availability and water resource quality); and lastly
 4. A lack of skilled human resource capacity also poses a challenge in this regard.
- (2) The ecological Reserve is indeed respected and taken into account in most of our planned water resource development initiatives.

Appendix: Example of the data provided in WMA 12

APPROVED RESERVE DATABASE FOR WMA 12 MZIMVUBU TO KEISKAMMA								
Quat	Reserve determined or letter of recommendation sent to use previous Reserve for the current application.	Type of Water Resource	Water Resource Name	PES	EIS	REC	% MAR (Ecological + BHN)	Approved
R10B	Desktop water quantity Reserve determined	River	Cata River	B	Very High	B	30.330	03/08/2005
R10B	Rapid III water quantity Reserve determined	River	Keiskamma River	B	Moderate	B	30.370	11/05/2006
R10D	Desktop water quantity Reserve determined	River	Keiskamma River	C	Very High	B	30.190	24/11/2004
R10E	Desktop water quantity Reserve determined	River	Keiskamma River	C	Very High	C	20.225	03/09/2004
R10E	Rapid III water quantity Reserve determined	River	Keiskamma River	B/C	Moderate	B/C	27.890	11/05/2005
R10H	Desktop water quantity Reserve determined	River	Upper Keiskamma River	B	Moderate	B	30.420	28/03/2006
R10H	Letter of recommendation to use previous Desktop water quantity Reserve approved on 28/03/2006	River	Upper Keiskamma River	B	Moderate	B	30.420	28/03/2006
R20A	Intermediate water quantity and quality Reserve determined	River	Buffalo River	D	Moderate	D	20.630	11/05/2006
R20F	Rapid water quantity Reserve determined	River	Buffalo River	C	Moderate	C	26.050	11/12/2000
R20F	Intermediate water quantity and quality Reserve determined	River	Buffalo River	C	Low	C	30.550	21/11/2003
R20G	Rapid water quantity Reserve determined	River	Buffalo River	C/D	Moderate	C	22.100	11/12/2000
R20G	Desktop water quantity Reserve determined	River	Buffalo River	D	Moderate	D	14.300	12/09/2003

R20G	Intermediate water quantity and quality Reserve determined	River	Buffalo River	C	Moderate	C	22.100	21/11/2003
R30A	Desktop water quantity Reserve determined	River	Nahoon,Ganubi and Kwelera Coastal Streams	D	Moderate	D	12.197	12/09/2003
R30B	Desktop water quantity Reserve determined	River	Nahoon,Ganubi and Kwelera Coastal Streams	D	Moderate	D	12.083	12/09/2003
R30B	Desktop water quantity Reserve determined	River	Kwelera River	D	Moderate	D	12.080	14/02/2005
R30D	Desktop water quantity Reserve determined	River	Nahoon,Ganubi and Kwelera Coastal Streams	C	Moderate	C	18.958	12/09/2003
R40A	Desktop water quantity Reserve determined	River	Bira, Mgallna and Mtati Coastal Streams	C	Moderate	C	18.963	12/09/2003
R40A	Desktop water quantity Reserve determined	River	Bira, Mgallna and Mtati Coastal Streams	C	Moderate	C	18.963	10/04/2006
R40A	Letter of recommendation to use the previous Desktop water quantity Reserve approved on 10/04/2006	River	Bira, Mgallna and Mtati Coastal Streams	C	Moderate	C	18.963	10/04/2006
R40C	Desktop water quantity Reserve determined	River	Shelber Stream	C	Moderate	C	19.410	08/04/2003
R50A	Desktop water quantity Reserve determined	River	Bira, Mgallna and Mtati Coastal Streams	C	Moderate	C	19.430	12/09/2003
R50B	Desktop water quantity Reserve determined	River	Bira, Mgallna and Mtati Coastal Streams	C	Moderate	C	20.400	12/09/2003
S10A	Desktop water quantity Reserve determined	River	Upper White Kei River	C	Moderate	C	24.930	14/06/2007

S10D	Desktop water quantity Reserve determined	River	Wit Kei River	B	Moderate	B	29.260	20/01/2005
S10E	Desktop water quantity Reserve determined	River	Middle White Kei River	D	Moderate	D	12.910	02/07/2003
S10G	Desktop water quantity Reserve determined	River	Middle White Kei River	D	Moderate	D	14.720	02/07/2003
S10J	Desktop water quantity Reserve determined	River	Middle White Kei River	D	Moderate	D	13.080	02/07/2003
S10J	Intermediate water quantity and quality Reserve determined	River	Middle White Kei River	C/D	Moderate	C/D	20.880	20/03/2007
S20D	Desktop water quantity Reserve determined	River	Middle White Kei River	D	Moderate	D	14.410	02/07/2003
S31E & S3G	The Water Quality Reserve for S31E and S31G (Lower Klaas Smits River) was determined as part of the 2006 Kei River Intermediate Reserve (no Template has been written up for this)							
S32E	Desktop water quantity Reserve determined	River	Klipplaat River	D	Moderate	D	13.745	08/05/2001
S32G	Intermediate water quantity and quality Reserve determined	River	Klipplaat River	C	Moderate	C	25.050	20/03/2007
S32K	Intermediate water quantity and quality Reserve determined	River	Upper Black Kei River	D	Moderate	D	9.210	20/03/2007
S32M	Intermediate water quantity and quality Reserve determined	River	Lower Black Kei River	C/D	Moderate	C/D	11.180	20/03/2007
S40A	Desktop water quantity Reserve determined	River	Lower Black Kei River	D	Moderate	C	11.000	12/09/2000

S50J	Desktop water quantity Reserve determined	River	Lower Tsomo River	D	Moderate	D	12.770	02/07/2003
S60B	Intermediate water quantity and quality Reserve determined	River	Kubusi River	C	Moderate	C	23.020	17/12/2003
S60E	Intermediate water quantity and quality Reserve determined	River	Kubusi River	C	Moderate	C	22.500	17/12/2003
S70A	Rapid water quantity Reserve determined	River	Kei River	C	Moderate	C	16.060	14/06/2001
T11C	Desktop water quantity Reserve determined	River	Xuka River	C	High	B/C	25.230	20/06/2002
T11E	Desktop water quantity Reserve determined	River	Upper Bashee River	C	Moderate	C	16.160	27/07/2000
T11H	Desktop water quantity Reserve determined	River	Upper Bashee River	D	Low	D	12.845	12/09/2003
T12G	Desktop water quantity Reserve determined	River	Upper Bashee River	D	Low	D	12.650	12/09/2003
T12G	Desktop water quantity Reserve determined	River	Mgwali River	D	Low/Marginal	D	12.650	26/02/2006
T13A	Desktop water quantity Reserve determined	River	Upper Bashee River	D	Low	D	12.790	12/09/2003
T13D	Desktop water quantity Reserve determined	River	Ncihana River	C	Moderate	C	19.760	26/11/2002
T13E	Desktop water quantity Reserve determined	River	Lower Bashee River	C	Moderate	C	19.760	12/09/2003
T20A	Letter of recommendation to use the previous Desktop water quantity Reserve for T20D and a portion of T20E, approved on 08/05/2001	River	Mtata River	C	Moderate	C	21.979	08/05/2001

T20D &E	Desktop water quantity Reserve determined	River	Mtata River	C	Moderate	C	21.979	08/05/2001
T20E	Letter of recommendation to use the previous Desktop water quantity Reserve for T20D and a portion of T20E, approved on 08/05/2001	River	Mtata River	C	Moderate	C	21.979	08/05/2001
T20F	Desktop water quantity Reserve determined	River	Mtata River	C	Moderate	C	22.890	22/08/2005
T20G	Rapid water quantity Reserve determined	River	Mtata River	C/D	Moderate	C	21.510	30/09/2002
T31A	Desktop water quantity Reserve determined	River	Mzimvubu River	A	Moderate	A	36.402	25/10/2000
T31B	Desktop water quantity Reserve determined	River	Mzimvubu River	B	Moderate	B	24.320	27/07/2000
T31C	Desktop water quantity Reserve determined	River	Mzimvubu River	B	Moderate	B	24.550	27/07/2000
T31C	Desktop water quantity Reserve determined	River	Mngeni River	B	Moderate	B	30.380	01/07/2006
T31D	Desktop water quantity Reserve determined	River	Mzimvubu River	B	Moderate	B	30.157	25/02/2004
T31D	Desktop water quantity Reserve determined	River	Mzimvubu River	B	Moderate	B	30.157	13/01/2005
T31E	Desktop water quantity Reserve determined	River	Mzimvubu River	B	Low/Marginal	B	31.020	21/10/2004
T31E	Letter of recommendation to use the previous Desktop water quantity Reserve approved on 21/10/2004	River	Mzimvubu River	B	Low/Marginal	B	31.020	21/10/2004
T31F	Desktop water quantity Reserve determined	River	Mzimvubu River	A	Low/Marginal	A	43.507	29/12/2004

T31F	Letter of recommendation to use the previous Desktop water quantity Reserve approved on 29/12/2004	River	Mzimvubu River	A	Low/Marginal	A	43.507	29/12/2004
T31G	Desktop water quantity Reserve determined	River	Mzimvubu River	A	Moderate	A	43.440	29/12/2004
T31G	Rapid water quantity Reserve determined	River	Mzimvubu River	C	Moderate	C	24.331	31/01/2006
T31H	Desktop water quantity Reserve determined	River	Mvenyane River	B	Low/Marginal	B	30.420	20/06/2002
T31J	Rapid III water quantity and quality Reserve determined	River	Umzimvubu River	A/B	Moderate	A/B	37.070	11/09/2003
T32A	Rapid III water quantity Reserve determined	River	Mzintlanga River	B	Moderate	B	31.140	14/06/2007
T32A	Rapid III water quantity Reserve determined	Wetland	Franklin Vlei Wetland	C	High	B/C	0.35 m ³ /s(Summer months), 0.12-0.17 m ³ /s (winter months)	14/06/2007
T32A	Rapid III water quantity Reserve determined	River	Mzintlava River	B	Moderate	B	31.210	14/06/2007
T32B	Rapid III water quantity Reserve determined	River	Un-named tributary of the Mzintlava River	A/B	High	A/B	38.060	13/08/2003
T32B	Desktop water quantity Reserve determined	River	Mzintlava River	A	Moderate	A	44.732	29/06/2006
T32B	Letter of recommendation to use the previous Desktop water quantity Reserve approved 29/06/2006	River	Mzintlava River	A	Moderate	A	44.732	29/06/2006
T32B	Rapid III water quantity Reserve determined	River	Mzintlava River	C	Moderate	C	20.850	14/06/2007
T32C	Rapid III water quantity and quality Reserve determined	River	Mzintlava River	A	Moderate	A	44.875	19/03/2002
T32C	Rapid III water quantity and quality Reserve determined	River	Mzintlava River	B/C	Moderate	B/C	30.015	12/09/2003

T32D	Desktop water quantity Reserve determined	River	Mvalweni River	B	Moderate	B	31.320	07/01/2003
T32D	Letter of recommendation to use the previous Desktop water quantity Reserve approved 07/01/2003	River	Mvalweni River	B	Moderate	B	31.320	07/01/2003
T32D	Rapid water quantity Reserve determined	River	Droewig River	C	Moderate	C	22.680	03/12/2004
T32E	Desktop water quantity Reserve determined	River	Mvalweni River	C	Moderate	C	21.380	20/06/2002
T32E	Desktop water quantity Reserve determined	River	Mzintlava River	C	Moderate	C	20.438	19/09/2006
T32F	Desktop water quantity Reserve determined	River	Little Mzimvubu, a tributary of Mzintlava River	C	Moderate	C	20.940	18/03/2008
T32G	Desktop water quantity Reserve determined	River	Tende River	C	Moderate	C	21.354	20/03/2007
T32H	Desktop water quantity Reserve determined	River	Upper Umzimvubu River	C	Moderate	C	20.805	12/09/2003
T32H	Desktop water quantity Reserve determined	River	Upper Umzimvubu River	C	Moderate	C	20.805	15/03/2004
T32H	Rapid III water quantity Reserve determined	River	Mzintlava River	C	Moderate	C	20.815	03/08/2005
T32H	Letter of recommendation to use previous Rapid III water quantity Reserve approved on 03/08/2005	River	Mzintlava River	C	Moderate	C	20.815	03/08/2005
T33A	Desktop water quantity Reserve determined	River	Kinira River	C	High	B/C	26.000	15/02/2002
T33A	Desktop water quantity Reserve determined	River	Kinira River	C	High	C	21.050	03/08/2005

T33B	Desktop water quantity Reserve determined	River	Seeta and Mabele River	C	High	B/C	24.809	20/03/2007
T33C	Rapid III water quantity Reserve determined	River	Morulane River	D	Low	D	13.790	20/03/2007
T33D	Desktop water quantity Reserve determined	River	Upper Ntata River	C	High	C	20.240	11/12/2005
T33D	Rapid III water quantity Reserve determined	River	Paballong River	D	Low	D	14.420	20/03/2007
T33D	Rapid III water quantity Reserve determined	River	Kinira River	D	Low	D	15.450	20/03/2007
T33E	Desktop water quantity Reserve determined	River	Kinira River	C	High	B/C	33.430	30/11/2007
T33K	Desktop water quantity Reserve determined	River	Upper Umzimvubu River	C	Moderate	C	20.460	12/09/2003
T34C	Rapid III water quantity and quality Reserve determined	River	Upper Ntata River	C	High	B/C	27.156	01/10/2003
T34C	Letter of recommendation to use previous Rapid III water quantity and quality Reserve approved on 01/10/2003	River	Upper Ntata River	C	High	B/C	27.156	01/10/2003
T34D	Desktop water quantity Reserve determined	River	Tina River	C	High	B/C	26.820	19/03/2004
T34H	Desktop water quantity Reserve determined	River	Nkwane River	C	Moderate	C	21.930	20/06/2002
T34H	Desktop water quantity Reserve determined	River	Upper Umzimvubu River	C	Moderate	C	21.480	29/08/2003
T34H	Desktop water quantity Reserve determined	River	Tina River	C	Moderate	C	21.481	20/03/2007
T34J	Rapid III water quantity and quality Reserve determined	River	Tina River	B/C	Moderate	B/C	26.839	26/08/2003
T34K	Desktop water quantity Reserve determined	River	Manzana River	C	Moderate	C	21.850	20/06/2002

T34K	Desktop water quantity Reserve determined	River	Manzana River	C	Moderate	C	21.340	08/10/2002
T35A	Desktop water quantity Reserve determined	River	Tsitsa River	B/C	Moderate	B/C	23.792	16/08/2000
T35A	Desktop water quantity Reserve determined	River	Tsitsa and Pot Rivers	C	High	B/C	26.480	30/11/2007
T35B	Desktop water quantity Reserve determined	River	Little Pot River	C	High	B/C	26.440	30/11/2007
T35C	Desktop water quantity Reserve determined	River	Mooi River	C	High	B/C	26.250	10/07/2007
T35D	Desktop water quantity Reserve determined	River	Mooi River	C	High	C	21.120	14/02/2005
T35E	Desktop water quantity Reserve determined	River	Upper Umzimvubu River	B/C	Moderate	B/C	26.394	01/10/2003
T35F	Desktop water quantity Reserve determined	River	Inxu and Kuntombizinzi River	C	High	B/C	26.960	30/11/2007
T35G	Desktop water quantity Reserve determined	River	Upper Mtata River	C	Moderate	C	22.180	27/07/2000
T35G	Desktop water quantity Reserve determined	River	Wilbebees River	C	High	B/C	27.140	30/11/2007
T35K	Desktop water quantity Reserve determined	River	Tsitsa River	C	Moderate	C	21.400	11/12/2002
T35K	Desktop water quantity Reserve determined	River	Upper Umzimvubu River	C	Moderate	C	21.390	12/09/2003
T35K	Rapid III water quantity and quality Reserve determined	River	Tsitsa River	B/C	Moderate	B/C	26.810	27/10/2003
T35L	Desktop water quantity Reserve determined	River	Upper Umzimvubu River	C	Moderate	C	21.335	12/09/2003
T35M	Desktop water quantity Reserve determined	River	Nqombolo and Nxotsheni River	C	Moderate	C	21.350	26/11/2002
T36A	Desktop water quantity Reserve determined	River	Jujini and Kundokwana River	B	Moderate	B	31.350	26/11/2002

T36A	Letter of recommendation to use the previous Desktop water quantity Reserve approved on 26/11/2002	River	Jujini and Kundokwana River	B	Moderate	B	31.350	26/11/2002
T36B	Desktop water quantity Reserve determined	River	Lower Umzimvubu River	B	Moderate	B	31.360	12/09/2003
T36B	Desktop water quantity Reserve determined	River	Lower Umzimvubu River	B	Moderate	B	31.360	22/08/2005
T60B	Desktop water quantity Reserve determined	River	Mtentu River	B	Very High	B	47.780	30/11/2007
T60F	Desktop water quantity Reserve determined	River	Eastern Pondoland Coastal Area Rivers	B	Very High	B	31.840	07/05/2004
T60F	Desktop water quantity Reserve determined	River	Msikaba River	B	Very High	B	31.800	14/06/2007
T60G	Desktop water quantity Reserve determined	River	Mateku River	B	Very High	B	31.340	03/08/2005
T60J	Desktop water quantity Reserve determined	River	Eastern Pondoland Coastal Area Rivers	B	Very High	B	31.860	14/06/2007
T60K	Desktop water quantity Reserve determined	River	Eastern Pondoland Coastal Area Rivers	B	Very High	B	32.110	15/03/2004
T60K	Letter of recommendation to use the previous Desktop water quantity Reserve approved on 15/03/2004	River	Eastern Pondoland Coastal Area Rivers	B	Very High	B	32.110	15/03/2004
T70A	Rapid III water quantity Reserve determined	River	Mngazi River	B	High	B	34.770	24/03/2001
T70A	Desktop water quantity Reserve determined	River	Mngazi River	B	High	A/B	30.351	28/03/2006
T70B	Desktop water quantity Reserve determined	River	Mngazi River	B	High	A/B	37.590	18/03/2008
T70C	Desktop water quantity Reserve determined	River	Mgazana River	B	High	A/B	30.980	19/05/2004

T70E	Desktop water quantity Reserve determined	River	Great Kei River	B	High	A/B	24.790	27/07/2000
T70E	Rapid water quantity Reserve determined	River	Mtakatye River	B	Very High	B	25.200	06/07/2001
T70E	Desktop water quantity Reserve determined	River	Eastern Pondoland Coastal Area Rivers	B	High	A/B	31.260	07/05/2004
T70E	Desktop water quantity Reserve determined	River	Mtakatye River	B	High	A/B	38.020	30/11/2007
T70F	Desktop water quantity Reserve determined	River	Great Kei River	B	High	A/B	24.610	27/07/2000
T70G	Desktop water quantity Reserve determined	River	Ku-Nkunzimbini River, a tributary of the Mdumbi River	B	High	A/B	37.590	11/12/2002
T80A	Rapid III water quantity Reserve determined	River	Nzulwini River	B	High	A/B	30.000	02/03/2001
T80A	Rapid III water quantity Reserve determined	River	Mpako River	C	High	C	19.000	07/03/2001
T80B	Desktop water quantity Reserve determined	River	Mncwasa River	B	High	A/B	24.826	08/05/2001
T80C	Desktop water quantity Reserve determined	River	Xora River	B	High	A/B	24.931	08/05/2001
T80D	Rapid III water quantity Reserve determined	River	Mbanyana River	B	High	B	28.000	02/03/2001
T90B	Rapid III water quantity Reserve determined	River	Nqabara River	B	High	B	24.800	02/03/2001
T90B	Desktop water quantity Reserve determined	River	Nqabara River	B	High	A/B	37.310	19/09/2006
T90E	Desktop water quantity Reserve determined	River	Eastern Pondoland Coastal Area Rivers	B	High	A/B	30.360	15/03/2004